01522

1992/03/28

SUPPLEMENT

REGARDING CHANGES IN SEISMIC EQUIPMENT AND ADDITIONAL MATTERS

TO THE

AGREEMENT-IN-PRINCIPLE BETWEEN THE STATE SEISMOLOGICAL BUREAU OF THE PEOPLES REPUBLIC OF CHINA AND THE UNITED STATES GEOLOGICAL SURVEY FOR UPGRADES TO THE CHINA DIGITAL SEISMOGRAPH NETWORK

Both sides, the State Seismological Bureau (SSB) of the People's Republic of China and the United States Geological Survey (USGS), will continue to honor the responsibilities stipulated in the Agreement-in-Principle between the SSB and the USGS for Upgrades to the China Digital Seismograph Network (CDSN), with the following supplement as the addition to the Agreement-in-Principle with the consent of both sides.

- 1. Both sides agree that the equipment specified in the Agreement-in-Principle to be provided at stations of the CDSN should be replaced by the equipment specified on the list attached to this supplement. The equipment on this list will be provided at each of the 10 stations of the CDSN.
- 2. Both sides recognize the complex problem of satellite telemetry of CDSN data and both sides agree to work toward a mutually satisfactory solution of this problem.
- 3. The USGS agrees to provide the SSB, on a more timely basis, data from the worldwide network of digital seismic stations. This data will be provided on magnetic tape within approximately three months of original recording.
- 4. The USGS agrees to assist the SSB in the development and training of specialists in the application of digital seismic data in research and operations.

Signed:

State Seismological Bureau.

Date: Mar. 28 1992

Signed:

United States Geological Survey.

Date: 3 march 1992

STATE SELSMALOGICAL BURRAU (SSB) OF THE PEOPLE'S MATURALIC OF CHINA and the united states (ACOLOGICAL SURVEY (HARD), that maker Annex I of the Earthquake Studies Protectif, that upgrables TO THE CHINA DIGITAL SEISMOGRAPH NETWORK (CDSM)

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<u> </u>	This list of equipment and software is lot 11 stations (10 operations databooms plus one space). The Actual Equipment & Software Surville Mill. DEFEND ON COST. AVAILABILITY, AND EXPORTABILITY.	(10 operal traj stations retij D Mill. DEFEND OM		
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<u> </u>	operated actionsmaterial. The operate to be exercised, if any, will be decided by uses 6.580.	Lings will be decided		
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٠	PC contemporary and property of the Act	Filmert tics	S 1, tand	5 16,000
	(Hante: Each station processor has 6 channels. Three of these channels are always used for the STS Vibb seismometers. Only three channels are available for connection to optional seismometers. Therefore, any one station can have either the VSP option or the LG option, but mut both.)	Three of three channels Only three channels are ers. Therefore, any one LG option, but mut buth.)		

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<u> </u>	lik Pulwer Baltery Co.	18.1 · s	\$ 4,180	
<u>F</u>	RS-232 Post Gen. Semicond.	19 \$	\$ 2,211	
Ē	RS-422 Port Gen. Semicond.	S 18	858 \$	
33481AB				
parallel interface	iz Power, with Huwlett Packard 2 MB memory,	5 3,000	5 33,000	

TUTAL. COST	\$ 10.186						7, 600 4 4, 600		\$ 10,000	000 47. 8	2076. 6	
COST	46	2							\$10,000			200.00
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DESCRIPTION	DATA LOGGING EQUIPMENT & SOFTWARE (continued): Dr. Accessories (continued):	Enclosure (Rack) Basic Cabinet Side Panel (Pair) Solid Metal Door Acrylic Door	3.5" Panel 8.75" Panel Leveling Feut (set)	Colors: White #931 for Bezel and Actylic Duor Frame. Blue #216 for Top, Base, Sides, Fanels, & Do	elemetry links will be necessary at sume stutions spare MUKes, 1 RF) depending on DA-DP suparation:	8-Channel RS-232 Asynch. Optical MIX,	8-Changelett, Asynch. Optical MUX, erre connector, 24 VDC Dower	Fiber Optic Cable, 1000 foot length, with pulling eye at each end, REMFO3 12-06-1-PL/ObeX-06EX	KF link for BJI	supplies, tools, & test equipment:	Station spare parts & supplies	Station tools, test equipment
OTY HODEL	NATA LOGGING EQUI	11 KC-701924 11 ROSF-7024 11 D-6119-LM	14 P-0319 13 P-0819 11 HM-68	1 PO-0/12	The following Le	6 UDS-302-G	6 ons-302-G	!	!	Station parts,		

STATION DATA ANALYSIS EQUIPMENT & SOFTWARE:

(Note: At three stations, the existing Sun 4/65GX-8 workstations installed under the GSE program will be used. Seven more Sun workstations plus a spare will be provided for the other seven stations.) ŝ

Sun Workstation, Hodel 1PC or equivalent, with laser printer and analysis software

\$168,000 \$21,000

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HANDE ACTURER

DATA HANAGEMENT CENTER (DMC):

The existing CDSN DMC will be maintained until Septembur 30, 1992, at which time maintenance of this equipment will become the responsibility of SSB.

The GSE National Data Center (NDC) equipment will be upgraded with larchare and software necessary to read the DC600HC tape cartridges generated by existing CDSN stations and to read the SEED-format tape cartridges to be generated by the upgraded stations.

(AS1.) Labor, software, and equipment necessary to a. : 19 GSE NDC to process old-type and: . .tade-type CDSN tape cartridges, and it function as the new CDSN DHC

\$ 25,000 \$25,000

TOTAL

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UNIT

OTY MODEL.

DESCRIPTION